

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A fuse module for supplying a power from a common power supply to a plurality of power input sections of a circuit assembly through respective fuse elements, comprising:

a branch-connection conductor having an input terminal adapted to be connected to said power supply, and a plurality of fuse-connection terminals disposed correspondingly to said respective power input sections;

a plurality of power-input conductors adapted to be electrically connected to a corresponding one of said power input sections, and each having a fuse-connection terminal disposed in a pair with a corresponding one of the fuse-connection terminals of said branch-connection conductor; and

an insulation housing holding said branch-connection conductor and said power-input conductor, said insulation housing being formed with a plurality of fuse-installation portions for allowing said respective fuse elements to be detachably installed therein in such a manner that each of said fuse elements is connected to the fuse-connection terminal of said branch-connection conductor and the corresponding fuse-connection terminal of said power-input conductor to be interposed between said fuse-connection terminals of the each pair.

2. (Original) The fuse module as defined in claim 1, wherein said circuit assembly has a plurality of bus bars including a plurality of input bus bars corresponding to said power input sections, said bus bars being arranged to form a power circuit, wherein each of said input bus

bars has an end which is formed with said fuse-connection terminal and held in said insulation housing to serve as said power-input conductor.

3. (Original) The fuse module as defined in claim 1, wherein each of said power-input conductors has an electric-connection portion protruding outside said insulation housing to be electrically connected to a corresponding one of the power input sections of said circuit assembly.

4. (Original) The fuse module as defined in claim 3, wherein said circuit assembly has a plurality of bus bars including a plurality of input bus bars corresponding to said power input sections, said bus bars being arranged to form a power circuit, wherein each of said power-input conductors is provided with a press-fit portion as the electric- connection portion, the press-fit portion adapted to be press-fitted into a through-hole formed in a corresponding one of said input bus bars to be electrically connected to said input bus bar.

5. (Currently Amended) The fuse module as defined in ~~either one of claims 1 to 4 claim~~ 1, wherein said plurality of fuse-installation portions formed in said insulation housing are arranged along a direction orthogonal to an aligning direction of said fuse-connection terminals of the pair in each of said fuse-installation portions, and said branch-connection conductor extends along an direction in which said pairs of the fuse-connection terminals are arranged.

6. (Currently Amended) The fuse module as defined in ~~either one of claims 1 to 5 claim~~ 1, which includes a power-connection conductor having a fuse-connection terminal, and an

input terminal adapted to be connected to an additional power supply other than said power supply to be connected to the input terminal of said branch-connection conductor, wherein:

a specific one of said power-input conductors is associated with said power-connection conductor and adapted to be electrically connected to a specific one of said power input sections, said specific power-input conductor having an end formed with a fuse-connection terminal; and

said insulation housing holds said power-connection conductor and said specific power-input conductor, said insulation housing being formed with a fuse-installation portion for allowing one of said fuse elements to be detachably installed therein in such a manner that said fuse element is connected to the fuse-connection terminal of said power-connection conductor and the fuse-connection terminal of said specific power-input conductor, and interposed between said two fuse-connection terminals.

7. (Original) The fuse module as defined in claim 6, wherein said branch-connection conductor and said power-connection conductor are disposed such that the fuse-connection terminals formed in said branch-connection conductor and the fuse-connection terminal formed in said power-connection conductor are aligned approximately in a line.

8. (Currently Amended) The fuse module as defined in ~~either one of claims 1 to 7~~ claim 1, which includes:

an output conductor adapted to be connected to a power output section provided in said circuit assembly, said output conductor having an end formed with a fuse-connection terminal;

an external-output conductor having a fuse-connection terminal, and an external-output terminal adapted to be connected to an external circuit, wherein;

said insulation housing holds said output conductor and said external-output conductor, said insulation housing being formed with a fuse-installation portion for allowing one of said fuse elements to be detachably installed therein in such a manner that said fuse element is connected to the fuse-connection terminal of said output conductor and the fuse-connection terminal of said corresponding external-output conductor to be interposed between said two fuse-connection terminals.

9. (Original) The fuse module as defined in claim 8, wherein said circuit assembly has a plurality of bus bars including an output bus bar corresponding to said power output section, said bus bars being arranged to form a power circuit, wherein said output bus bar has an end which is formed with said fuse-connection terminal and held within said insulation housing to serve as said power-output conductor.

10. (Original) The fuse module as defined in claim 8, wherein said power-output conductor has an electric-connection portion protruding outside said insulation housing to be electrically connected to the power output section of said circuit assembly.

11. (Currently Amended) The fuse module as defined in ~~either one of claims 1 to 10~~ claim 1, wherein said branch-connection conductor includes a direct-connection portion adapted to be electrically connected directly to a specific one of said power input sections in said circuit assembly without interposition of said fuse element.

12. (Original) The fuse module as defined in claim 11, wherein said branch-connection conductor includes an inter-terminal portion extending in a direction parallel to an arranging direction of said fuse-installation portions in said insulation housing so as to pass through

between said fuse-connection terminals of said pair disposed at a specific one of said fuse-installation portions of said insulation housing, wherein said direct-connection portion extends from said inter-terminal portion toward said specific power input section.

13. (Currently Amended) A fuse module-equipped circuit assembly comprising the fuse module as defined in ~~either one of claims 1 to 12~~ claim 1, and a circuit assembly having a plurality of power input sections, wherein each of the power-input conductors of said fuse module is electrically connected to a corresponding one of said power input sections.

14. (Original) The fuse module-equipped circuit assembly as defined in claim 13, wherein said circuit assembly includes a current-detection bus bar provided with an input terminal and an output terminal between which a detection-target current is allowed to flow, at least one of said input and output terminals being held in said insulation housing.

15. (Original) The fuse module-equipped circuit assembly as defined in claim 14, wherein said insulation housing holds the output terminal of said current-detection bus bar and the input terminal of said branch-connection conductor in a state that the output terminal and the input terminal are superimposed on each other.

16. (Currently Amended) A fuse-module mounting structure for mounting the fuse module as defined in ~~either one of claims 1 to 15~~ claim 1, to a vehicle, wherein the input terminal of said branch-connection conductor is fixed to a vehicle-mounted device or a vehicle body, while superimposed on a circuit-connection bus bar for connecting a power supply connected to said input terminal to another vehicle-mounted circuit.